Canon BioMedical, Inc.

BTD c.1330G>C Novallele™ Genotyping Assay

Product Specification Sheet

REF **Catalog Number 40045**

LOT **Reagent ID**

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Stable for six (6) months after receipt

For Research Use Only. Not for use in diagnostic procedures.

Introduction

Novallele Genotyping Assays identify the allelic composition of a locus using fast PCR by high resolution melting (HRM). This one (1) vial of 600 µL Novallele Genotyping Assay contains all of the primers / probes required.

Storage & Shelf-Life

Novallele Genotyping Assay should be stored at 2-8°C. When stored correctly, this product is stable for six months from the date of receipt.

General Use Instructions

This protocol is for use with Novallele Genotyping Assays and reagents on non-Canon BioMedical thermocyclers. Please do not substitute other reagents. For additional information please refer to the Novallele Genotyping Assay User manual.

Procedure

1. Briefly invert all of the Novallele reagents to mix the contents of each tube.

2. Briefly centrifuge all of the Novallele reagents (10–15s).

3. Prepare a reaction mix for each sample.

For technical replicates in triplicate:

Sample DNA	220ng
Nuclease free water	X µL
Novallele Genotyping Mastermix	11 µL
Novallele Genotyping Assay Mix	11 µL
Total volume	**33 µL**

4. Add 10 µL reaction mix to each well.

5. Tightly seal the PCR plate/disc.

6. Remove any air bubbles in any of the plate wells by centrifugation.

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6. Remove any air bubbles in any of the plate wells by centrifugation.

7. Program the thermocycler according to the recommended conditions below.

Hot Start (Cycle× (Temp/Time/Ramp Rate))
1 x 95°C/00:30/4.4

PCR (Cycle× (Temp/Time/Ramp Rate))
35 x (95°C/00:02/4.4 - 70°C/00:08/2.2)

Pre-Melt (Cycle× Temp/Time/Ramp Rate)
1 x (94°C/00:05/4.4 - 40°C/00:03/2.2)

HRM (Temp/Time/Ramp Rate)
50°C/00:05/2.2 - 95°C at 0.3°C/5s

8. Place the PCR plate/disc in the thermocycler. Start the run.

Safety Information
Please follow your local institutional safety policies and practices. When working in a laboratory, use personal protective equipment (including lab coat, disposable gloves and protective eyewear).

For Technical Support & Additional Information
Please refer to the Novallele Genotyping Assay User Manual for support and additional terms & conditions.

Visit:
www.canon-biomedical.com

Call: 1-844-CANON-BIO

Canon BioMedical, Inc.
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